

FORM PTO-1449 O I P E APR 05 2004 U.S. PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. SITECH.017CP1CP	APPLICATION NO. 10/771,178
	APPLICANT Not Yet Named	
	FILING DATE February 3, 2004	GROUP Unknown

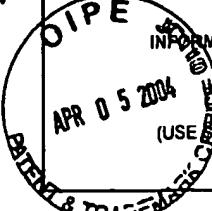
U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
QSD	1 2,794,002	05/28/57	Haensel et al.			
QSD	2 3,850,971	11/26/74	Termin et al.			
QSD	3 4,323,381	04/06/82	Matsuyama et al.			
QSD	4 4,419,115	12/06/83	Johnson, Jr. et al.			
QSD	5 4,477,580	10/16/84	Fleming, Jr.			
QSD	6 4,752,459	06/21/88	Pepper			
QSD	7 4,810,674	03/07/89	Che et al.			
QSD	8 4,849,378	07/18/89	Hench et al.			
QSD	9 4,851,373	07/25/89	Hench et al.			
QSD	10 4,941,905	07/17/90	Narasimham			
QSD	11 5,023,208	06/11/91	Pope et al.			
QSD	12 5,076,980	12/31/91	Nogues et al.			
QSD	13 5,243,769	09/14/93	Wang et al.			
QSD	14 5,250,096	10/05/93	Bruce et al.			
QSD	15 5,264,197	11/23/93	Wang et al.			
QSD	16 5,352,259	10/04/94	Oku et al.			
QSD	17 5,922,099	07/13/99	Yoon et al.			
QSD	18 6,386,002	05/14/02	Bhandarkar et al.			
QSD	19 6,571,582	06/03/03	Bhandarkar et al.			
QSD	20 10/062,613	02/01/02	Wang et al. (Claims Section)			
QSD	21 10/062,746	02/01/02	Wang et al. (Claims Section)			

FOREIGN PATENT DOCUMENTS

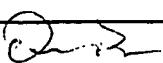
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
22	EP.0131057	11/04/87	Europe				
23	GB.2170799-A	08/13/96	Great Britain				

EXAMINER <i>QSD</i>	DATE CONSIDERED <i>1/31/06</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 608; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449  INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(USE SEVERAL SHEETS IF NECESSARY)</small>	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. SITECH.017CP1CP	APPLICATION NO. 10/771,176
	APPLICANT Not Yet Named		
	FILING DATE February 3, 2004	GROUP Unknown	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
24	Brinker et al., <i>Sol-Gel Science, The Physics and Chemistry of Sol-Gel Processing</i> , Academic Press (1990), pp. 483-498.		
25	Heaney, A.D., et al., <i>Solgel-derived Photosensitive Germanosilicate Glass Monoliths</i> , <i>Optics Letters</i> , Vol. 25, No. 24 (December 15, 2000), pp. 1765-1767.		
26	Kawaguchi et al., <i>Structural Changes of Monolithic Silica Gel During the Gel-to-Glass Transition</i> , <i>J. Non-Crystalline Solids</i> , Vol. 82 (1986), pp. 50-56.		
27	Kirkbir, et.al., <i>Parametric Study of Strength of Silica Gels</i> , <i>J. Non-Crystalline Solids</i> , Vol. 178 (1994), pp. 284-292.		
28	Murata, et al., <i>Drying and Sintering of Large SiO₂ Monoliths</i> , <i>SPIE</i> , Vol. 2288, <i>Sol-Gel Optics III</i> (1994) pp. 709-716.		

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EXAMINER 	DATE CONSIDERED 1/31/06
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 S E P E SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT JUN 16 2004 (USE SEVERAL SHEETS IF NECESSARY)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. SITECH.017CP1CP	APPLICATION NO. 10/771,176
		APPLICANTS Chih-Hsing Cheng et al.	
		FILING DATE February 3, 2004	GROUP 1755

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
QSD	1	4,775,401	10/04/88	Fleming et al.			
QSD	2	5,182,236	01/26/93	Caldwell et al.			
QSD	3	5,185,020	02/09/93	Satoh et al.			
QSD	4	5,236,483	08/17/93	Miyashita et al.			
QSD	5	5,314,520	05/24/94	Yagi et al.			
QSD	6	5,871,558	02/16/99	Takei et al.			
QSD	7	6,209,357 B1	04/03/01	Bhandarkar et al.			
QSD	8	6,442,977 B1	09/03/02	Bhandarkar et al.			
QSD	9	2003/0210881 A1	11/13/03	Mendoza et al.			
QSD	10	6,732,549 B1	05/11/04	Lum et al.			

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	11						
	12						
	13						
	14						
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
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EXAMINER <u>QSD</u>	DATE CONSIDERED <u>1/31/06</u>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>AUG 16 2004 USE SEVERAL SHEETS IF NECESSARY</i>	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. SITECH.017CP1CP	APPLICATION NO. 10/771,176
		APPLICANTS Chih-Hsing Cheng et al.	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
QJD	1	4,104,363	08/01/78	Vozka et al.			
QJD	2	4,707,174	11/17/87	Johnson, Jr. et al.			
QJD	3	4,822,136	04/18/89	Hicks, Jr.			
QJD	4	4,840,653	06/20/89	Rabinovich			
QJD	5	5,074,633	12/24/91	Cohen et al.			
QJD	6	5,123,940	06/23/92	DiGiovanni et al.			
QJD	7	5,380,510	01/10/95	Matsui et al.			

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
QJD	8	JP-141818	08/16/82	Japan (Abstract)			

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
QJD	9	Shibata, Shuichi, et al., <i>Fabrication of Fluorine-Doped Silica Glasses by the Sol-Gel Method</i> , <u>Journal of Non-Crystalline Solids</u> , Vol. 100 (1988), pp. 269-273.

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EXAMINER <i>QJD</i>	DATE CONSIDERED <i>1/31/06</i>
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Multiple sheets used when necessary)

JUN 13 2005

SHEET 1 OF 2

Application No.	10/771,176
Filing Date	February 3, 2004
First Named Inventor	Chih-Hsing Cheng
Art Unit	1731
Examiner	Lisa L. Herring

Attorney Docket No. SITECH.017CP1CP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
(QSD)	1	2,092,163	09/07/1937	Johnson et al.	
(QSD)	2	2,441,422	05/11/1948	Krieble et al.	
(QSD)	3	3,615,312	10/26/1971	Landry et al.	
(QSD)	4	3,782,982	01/01/1974	Pierson et al.	
(QSD)	5	4,317,668	03/02/1982	Susa et al.	
(QSD)	6	4,681,615	07/21/1987	Toki et al.	
(QSD)	7	4,765,818	08/23/1988	Che et al.	
(QSD)	8	4,786,302	11/22/1988	Osafune et al.	
(QSD)	9	5,071,674	12/10/1991	Nogues et al.	
(QSD)	10	5,134,107	07/28/1992	Narula	
(QSD)	11	5,196,382	03/23/1993	Hench et al.	
(QSD)	12	5,221,309	06/22/1993	Kyoto et al.	
(QSD)	13	5,254,508	10/19/1993	Kirkbir et al.	
(QSD)	14	5,343,633	09/06/1994	Wang et al.	
(QSD)	15	5,710,850	01/20/1998	Watanabe et al.	
(QSD)	16	5,895,770	04/20/1999	Pullakat et al.	
(QSD)	17	5,917,109	06/29/1999	Berkey	
(QSD)	18	6,012,304	01/11/2000	Loxley et al.	
(QSD)	19	6,492,072 B2	12/10/2002	Moore et al.	
(QSD)	20	6,541,168 B2	04/01/2003	Brown et al.	
(QSD)	21	6,555,048 B1	04/29/2003	Yoon et al.	
(QSD)	22	6,606,883 B2	08/19/2003	Hrdina et al.	
(QSD)	23	6,620,368 B1	09/16/2003	Wang et al. (Knobbe Martens Atty. Docket No. SITECH.001A)	
(QSD)	24	6,884,822 B2	04/26/2005	Wang et al. (Knobbe Martens Atty. Docket No. SITECH.004CP1)	
(QSD)	25	US 2003/0069122 A1	04/10/2003	Wang et al. (Knobbe Martens Atty. Docket No. SITECH.004A)	
(QSD)	26	US 2003/0078153 A1	04/24/2003	Wang et al. (Knobbe Martens Atty. Docket No. SITECH.004CP2)	

Examiner Signature

Date Considered

1/31/06

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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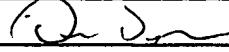
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		First Named Inventor	Chih-Hsing Cheng
		Art Unit	1731
(Multiple sheets used when necessary)		Examiner	Lisa L. Herring
SHEET 2 OF 2		Attorney Docket No.	SITECH.017CP1CP

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
QHJ	27	US 2003/0147605 A1	08/07/2003	Wang et al. (Knobbe Martens Atty. Docket No. SITECH.017A)	
QHJ	28	US 2003/0147606 A1	08/07/2003	Wang et al. (Knobbe Martens Atty. Docket No. SITECH.017CP1)	
QHJ	29	U.S. Pat. App. No. 11/115,071	04/26/2005	Wang et al. (Knobbe Martens Atty. Docket No. SITECH.004CP1C1)	

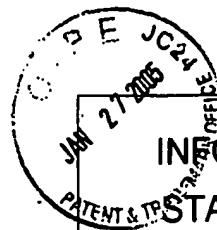
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	30	EP 0 652 184 A1 (Patent)	05/19/1995	Alcatel Cable Interface		
QHJ	31	EP 0 652 184 A1 (Abstract)	05/19/1995	Alcatel Cable Interface		

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No.	Include name of the author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ¹
QHJ	32	SHIBATA, Shuichi, et al., "Fabrication of F-Doped Silica Glasses by the Sol-Gel Method," <u>Journal of Applied Physics</u> , Vol. 23, No. 11, November 1986, pp. L902-L904.				

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		First Named Inventor	Chih-Hsing Cheng
		Art Unit	1731
SHEET 1 OF 1		Examiner	Lisa L. Herring
		Attorney Docket No.	SITECH.017CP1CP

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
QD		4,851,150	07/25/1989	Hench et al.	
QD		5,494,863	02/27/1996	Mathur	

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ¹

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Examiner Signature	<i>1/31/06 QD</i>	Date Considered	<i>1/31/06</i>
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U.S. PATENT AND TRADEMARK OFFICE
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First Named Inventor	Chih-Hsing Cheng
Art Unit	1731
(Multiple sheets used when necessary)	Examiner
SHEET 1 OF 1	Lisa L. Herring
	Attorney Docket No.
	SITECH.017CP1CP

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
Q4D		5,391,393	02/21/1995	Maniar	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ¹

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Examiner Signature <i>D. J.</i>	Date Considered 1/31/06
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